

# Converting Colors

CIELCh(67, 30.933, 104.566)

Have a look what the booklet for  
CIELCh(67, 30.933, 104.566)  
contains.

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**Color**

**CIELCh(67, 30.933, 104.566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9A66D
RGB	169, 166, 109
RGB Percent	66%, 65%, 43%
CMY	0.3387, 0.3504, 0.5739
CMYK	0.00, 0.02, 0.36, 0.34
HSL	57°, 26%, 54%
HSV	57°, 36%, 66%
XYZ	32.5953, 36.6320, 19.7244
YIQ	160.3990, 20.0850, -17.0910

# Conversions

## Conversions Part 2

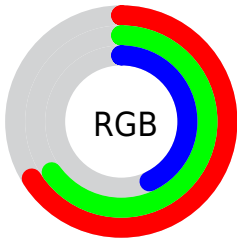
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 169, 109
Decimal	11118189
CIELab	67.00, -7.78, 29.94
CIELCh	67, 30.933, 104.566
Yxy	36.6320, 0.3664, 0.4118
Android (android.graphics.Color)	4289308269 (0xFFA9A66D)
YUV	160.3990, -25.3397, 7.5431
Hunter-Lab	60.5244, -9.7867, 23.0450

# Details

The CIELCh color **67, 30.933, 104.566** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **49, 33.473, 292.759**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 31.030, 104.628**, and **47, 30.971, 104.163** is the 20% darker color. If you saturate the color by 10%, you get **67, 39.262, 103.589**, and if you desaturate by 10%, it is **68, 22.358, 105.569**.

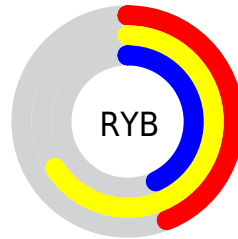
# Distribution



Red (66%)

Green (65%)

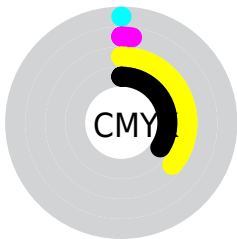
Blue (43%)



Red (44%)

Yellow (66%)

Blue (43%)

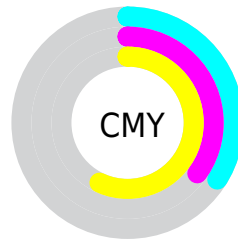


Cyan (0%)

Magenta (2%)

Yellow (36%)

Black (34%)



Cyan (34%)

Magenta (35%)


Yellow (57%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 30.933, 104.566 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 67, 30.933, 104.566 by changing the saturation by 10% instead.




 67, 30.933,  
104.566

 67, 30.933,  
104.566


 100, 30.933,  
104.566


 57, 30.933,  
104.566


 87, 30.933,  
104.566

 47, 30.933,  
104.566

 97, 30.933,  
104.566

 37, 30.933,  
104.566

 27, 30.933,  
104.566

 17, 30.933,  
104.566

 7, 30.933, 104.566

 0, 30.933, 104.566

67, 30.933,  
104.566

67, 30.933,  
104.566

67, 39.262,  
103.589

68, 22.358,  
105.569

66, 47.160,  
102.650

68, 13.648,  
106.571

66, 54.353,  
101.777

69, 4.879, 107.554

69, 3.905, 288.560

65, 60.455,  
101.001

70, 12.674,  
289.490

65, 65.011,  
100.348

71, 21.409,  
290.395

65, 67.681, 99.830

72, 30.097,  
291.263

65, 68.572, 99.622

73, 38.728,  
292.090

■ 73, 44.390,  
292.498

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67, 30.933, 104.566



49, 33.473, 292.759

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 30.933, 104.566



67, 30.933, 154.566



67, 30.933, 284.566



67, 30.933, 334.566

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67, 30.934, 104.570



87, 11.951, 107.004



52, 25.660, 18.796



46, 8.017, 106.877



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 30.934, 104.570



84, 45.978, 103.762



66, 34.402, 125.611



35, 4.957, 107.193



57, 62.296, 99.658



6, 8.899, 107.240



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49, 33.473, 292.759



57, 50.968, 294.246



51, 36.370, 309.167



33, 5.054, 289.093



17, 86.664, 305.506



1, 9.150, 288.413



# Previews

## White Background



This preview shows how the CIELCh color 67, 30.933, 104.566 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 67, 30.933, 104.566 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

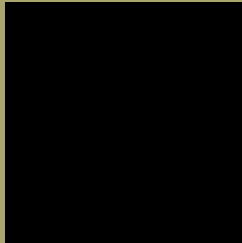
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 67, 30.933, 104.566

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 30.933, 104.566.



This preview shows how white text looks on a background with the CIELCh color 67, 30.933, 104.566.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

67, 30.933, 104.566


### Protanopia

67, 30.571, 95.673

### Deuteranopia

67, 30.267, 73.629





**Tritanopia**  
67, 9.544, 336.346

# Trichromacy



**Original Color**  
67, 30.933, 104.566

**Protanomaly**  
67, 30.754, 98.962

**Deuteranomaly**  
67, 29.525, 85.876

**Tritanomaly**  
67, 8.594, 75.747

# Monochromacy



**Original Color**  
67, 30.933, 104.566

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
66, 11.566, 106.974

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 30.933, 104.566 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(169, 166, 109)` looks like.

```
.text, #text, p{  
    color:rgb(169, 166, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(169, 166, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 166, 109) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 30.933, 104.566 is called "border". The border property can be set on classes, ids or directly on the HTML element.

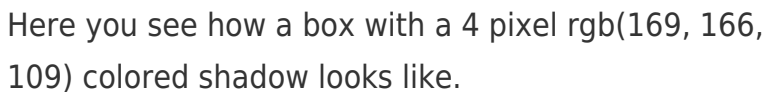
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 166, 109) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(169, 166, 109) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(169, 166, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 166, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 166, 109); box-shadow:4px 4px 4px 4px rgb(169, 166, 109) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 30.933, 104.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 166, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(169,  
166, 109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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